



2001 Toxics Release Inventory

TENNESSEE

Reported Releases and Other Waste Management Activities (in pounds)

	Total
On-site Releases	141,943,517
Air Emissions	79,573,558
Surface Water Discharges	3,067,358
Underground Injection Class I Wells	0
Underground Injection Class II-V Wells	5
On-site Land Releases to RCRA Subtitle C Landfills	341,993
Other On-site Land Releases	58,960,603
Off-site Releases (Transfers Off-site to Disposal)*	7,017,705
Total On- and Off-site Releases	148,961,221
Recycled On-site	164,851,023
Recycled Off-site	79,017,354
Energy Recovery On-site	96,119,122
Energy Recovery Off-site	7,158,004
Treated On-site	178,291,980
Treated Off-site**	5,560,004
Quantity Released On- and Off-site***	162,366,020
Total Production-related Waste Managed	693,363,507
Non-production-related Waste Managed	162,870
Transfers Off-site for Further Waste Management, including Disposal	
Recycling	79,460,905
Energy Recovery	6,956,764
Treatment	1,542,447
Publicly Owned Treatment Works (POTWs)	3,852,873
Metals and Metal Category Compounds*	51,000
Non-metal TRI Chemicals**	3,801,873
Other Off-site Transfers****	281,720
Transfers Off-site to Disposal (not including metals to POTWs)	7,322,661
Total Transfers Off-site for Further Waste Management, including Disposal	99,417,370

- * Transfers to POTWs of metals and metal category compounds are included in off-site releases. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.
- ** Transfers to POTWs of non-metals are included in treated off-site waste management activity.
- *** Excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions.
- **** Transfers reported without a valid waste management code.

For More Information . . .

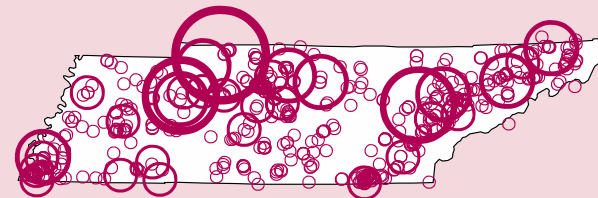
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To obtain TRI data use
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Support Service (TRI-US):
(202) 566-0250
tri.us@epa.gov



The largest circle in the state map represents the largest facility for on-site releases in the state of Tennessee. All circles are proportionally-sized to represent the on-site releases at each facility within this state.

State/TRI Data

Population	5,749,398
Square Miles	41,220
Total Facilities	692
Total Forms	2,622
Form As	374

	Total
National Rank for Total On- and Off-site Releases*	
Rank	9
Pounds	148,961,221
National Rank for Total On-site Releases**	
Rank	7
Pounds	141,943,517
National Rank for Total Releases within State***	
Rank	11
Pounds	147,661,681
National Rank for Production-related Waste Managed	
Rank	12
Pounds	693,363,507

- * Includes transfers out-of-state for disposal. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.
- ** Includes amounts released at the facility. Excludes amounts transferred to other sites.
- *** Excludes transfers for disposal sent out-of-state or sent to other TRI facilities within the state reporting that amount released on-site.



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TENNESSEE

On-site and Off-site Releases for Top Five Chemicals Ranked on Total Releases in the State (All Chemicals)

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
7647-01-0	Hydrochloric acid	23,185,394	750	0	0	0	23,186,144	7,287	0	0
—	Zinc compounds	350,666	84,221	5	16,734,935	1,691,322	18,861,149	97,000	1,048,403	642,919
—	Manganese compounds	67,179	192,469	0	11,479,755	439,446	12,178,849	65,736	385,948	53,498
—	Copper compounds	17,676	20,876	0	11,178,079	338,279	11,554,910	12,742	208,348	129,931
108-88-3	Toluene	8,093,196	108	0	5	12,039	8,105,348	7,345	9,088	3,573

On-site and Off-site Releases for PBT Chemicals Ranked on Total Releases in the State

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
—	Lead compounds	24,322.55	5,322.97	0.00	6,222,608.40	227,627.99	6,479,881.91	11,448.65	147,976.36	79,651.63
7439-92-1	Lead	13,171.28	583.25	0.00	8,367.88	550,370.33	572,492.74	45,504.62	464,845.87	85,524.46
—	Polycyclic aromatic compounds	26,878.31	169.68	0.00	31,481.87	1,388.88	59,918.75	907.30	752.35	636.53
—	Mercury compounds	2,685.29	99.27	0.00	1,774.53	17,783.60	22,342.70	124.68	16,093.10	1,690.50
191-24-2	Benzo(g,h,i)perylene	2,797.34	20.74	0.00	3,598.57	34.37	6,451.02	14.30	34.36	0.01
7439-97-6	Mercury	1,376.54	9.70	0.00	998.20	84.30	2,468.74	0.00	81.30	3.00
1336-36-3	Polychlorinated biphenyls (PCBs)	1.24	0.00	0.00	1,823.00	335.03	2,159.27	0.00	0.00	335.03
118-74-1	Hexachlorobenzene	69.87	164.00	0.00	1,091.00	272.00	1,596.87	0.00	0.00	272.00
608-93-5	Pentachlorobenzene	0.00	117.00	0.00	1,000.00	0.00	1,117.00	0.00	0.00	0.00
29082-74-4	Octachlorostyrene	0.00	0.00	0.00	27.00	0.00	27.00	0.00	0.00	0.00
—	Dioxin and dioxin-like compounds	0.08	0.05	0.00	19.71	5.55	25.39	0.01	5.30	0.26
—	<i>Dioxin and dioxin-like compounds (in grams)</i>	37.460	22.022	0.000	8,937.283	2,518.996	11,515.761	4.000	2,401.572	117.424
79-94-7	Tetrabromobisphenol A	5.34	0.00	0.00	0.00	0.00	5.34	0.00	0.00	0.00
309-00-2	Aldrin	—***	—	—	—	—	—	—	—	—
57-74-9	Chlordane	—***	—	—	—	—	—	—	—	—
76-44-8	Heptachlor	—***	—	—	—	—	—	—	—	—
465-73-6	Isodrin	—***	—	—	—	—	—	—	—	—
72-43-5	Methoxychlor	—***	—	—	—	—	—	—	—	—
40487-42-1	Pendimethalin	—***	—	—	—	—	—	—	—	—
8001-35-2	Toxaphene	—***	—	—	—	—	—	—	—	—
1582-09-8	Trifluralin	—***	—	—	—	—	—	—	—	—

* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

*** No reports were submitted for these chemicals.

** The chemical ranking is based on the amounts in this column.



2001 Toxics Release Inventory

TENNESSEE

On-site and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (All Chemicals)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection				On-site Releases to Land			Transferred Within State Pounds	Transferred Out of State Pounds
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds			
Pasminco Zinc Inc., Clarksville, Montgomery	147,586	68,611	0	0	0	23,803,372	24,019,569	0	0
Du Pont Johnsonville Plant, New Johnsonville, Humphreys	1,832,359	20,997	0	0	0	9,973,138	11,826,493	0	0
U.S. TVA Johnsonville Fossil Plant, New Johnsonville, Humphreys	8,969,060	32,152	0	0	0	1,960,872	10,962,084	3,062	2,165
U.S. TVA Kingston Fossil Plant, Harriman, Roane	5,926,225	46,641	0	0	0	1,651,816	7,624,681	10	100
Eastman Tennessee Ops., Kingsport, Sullivan	4,735,421	395,036	0	0	75,595	975,747	6,181,799	0	64,703
U.S. TVA Cumberland Fossil Plant, Cumberland City, Stewart	1,468,808	476,127	0	0	0	3,352,157	5,297,092	7,267	0
Pasminco Zinc Inc. Gordonsville Mine, Gordonsville, Smith	4,467	2,525	0	0	0	4,946,105	4,953,097	0	0
U.S. TVA Bull Run Fossil Plant, Clinton, Anderson	4,305,815	16,984	0	0	0	415,241	4,738,040	493,100	0
Erachem Comilog, New Johnsonville, Humphreys	20,802	3,295	0	0	0	4,614,184	4,638,281	0	0
U.S. TVA Gallatin Fossil Plant, Gallatin, Sumner	1,890,522	19,771	0	0	0	1,656,881	3,567,174	5,191	6,710

On-site and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (PBT Chemicals)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases	
	Underground Injection				On-site Releases to Land			(Transfers Off-site to Disposal)	
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds		Transferred Within State Pounds	Transferred Out of State Pounds
Pasminco Zinc Inc., Clarksville, Montgomery	68.00	194.00	0.00	0.00	0.00	5,362,143.00	5,362,405.00	0.00	0.00
Pasminco Zinc Inc. Gordonsville Mine, Gordonsville, Smith	71.10	88.80	0.00	0.00	0.00	209,110.00	209,269.90	0.00	0.00
U.S. TVA Cumberland Fossil Plant, Cumberland City, Stewart	843.01	172.00	0.00	0.00	0.00	188,256.60	189,271.61	202.00	0.00
Du Pont Johnsonville Plant, New Johnsonville, Humphreys	0.61	297.03	0.00	0.00	0.00	150,012.69	150,310.33	0.00	0.00
U.S. TVA Johnsonville Fossil Plant, New Johnsonville, Humphreys	709.90	52.00	0.00	0.00	0.00	68,272.20	69,034.10	27.30	665.00
U.S. TVA Kingston Fossil Plant, Harriman, Roane	719.90	40.80	0.00	0.00	0.00	55,215.60	55,976.30	0.00	100.00
Ameristeel, Jackson, Madison	7,345.99	415.00	0.00	0.00	0.00	45,786.00	53,546.99	0.00	15,610.01
UCAR Carbon Co. Inc., Columbia, Maury	18,262.39	162.97	0.00	0.00	0.00	33,533.50	51,958.86	0.00	0.00
Eastman Tennessee Ops., Kingsport, Sullivan	2,542.01	1,481.00	0.00	0.00	161.00	39,046.01	43,230.02	0.00	0.00
U.S. TVA Gallatin Fossil Plant, Gallatin, Sumner	601.90	71.00	0.00	0.00	0.00	26,130.75	26,803.65	2,121.40	2,910.00

* The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.



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TENNESSEE

Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (All Chemicals)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site* Pounds	Total Production-related Waste Managed Pounds	Total Non-Production-related Waste Managed Pounds
Pasminco Zinc Inc., Clarksville, Montgomery	20,861,000	0	0	0	0	0	24,078,920	44,939,920	0
Lenzing Fibers Corp., Lowland, Hamblen	6,300,000	0	0	0	364,260	0	16,682,471	23,346,731	0
Du Pont Johnsonville Plant, New Johnsonville, Humphreys	0	0	0	0	28,750,000	0	11,826,485	40,576,485	8
U.S. TVA Johnsonville Fossil Plant, New Johnsonville, Humphreys	0	37,000	0	0	1,281,000	0	10,985,481	12,303,481	0
U.S. TVA Kingston Fossil Plant, Harriman, Roane	0	153	0	0	1,951,000	0	7,629,825	9,580,978	0
Eastman Tennessee Ops., Kingsport, Sullivan	0	31,372	2,739,159	0	19,553,508	9,706	6,238,333	28,572,078	0
U.S. TVA Cumberland Fossil Plant, Cumberland City, Stewart	0	34,000	0	0	16,553,000	0	5,288,977	21,875,977	0
U.S. TVA Bull Run Fossil Plant, Clinton, Anderson	0	0	0	0	848,000	0	5,234,544	6,082,544	0
Pasminco Zinc Inc. Gordonsville Mine, Gordonsville, Smith	0	0	0	0	0	0	4,952,655	4,952,655	0
Erachem Comilog, New Johnsonville, Humphreys	0	0	0	0	0	0	4,634,977	4,634,977	0

Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (PBT Chemicals)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site* Pounds	Total Production-related Waste Managed Pounds	Total Non-Production-related Waste Managed Pounds
Pasminco Zinc Inc., Clarksville, Montgomery	2,400,000.00	0.00	0.00	0.00	0.00	0.00	5,400,070.00	7,800,070.00	0.00
Metalico-College Grove, College Grove, Williamson	130,000.00	0.00	0.00	0.00	0.00	0.00	460,000.00	590,000.00	0.00
Pasminco Zinc Inc. Gordonsville Mine, Gordonsville, Smith	0.00	0.00	0.00	0.00	0.00	0.00	209,270.00	209,270.00	0.00
U.S. TVA Cumberland Fossil Plant, Cumberland City, Stewart	0.00	0.00	0.00	0.00	0.00	0.00	190,757.00	190,757.00	0.00
Du Pont Johnsonville Plant, New Johnsonville, Humphreys	0.00	0.00	0.00	0.00	0.00	0.00	150,310.00	150,310.00	0.00
U.S. TVA Johnsonville Fossil Plant, New Johnsonville, Humphreys	0.00	0.00	0.00	0.00	0.00	0.00	69,281.00	69,281.00	0.00
Ameristeel, Jackson, Madison	475,072.00	160,165.00	0.00	0.00	0.00	0.00	69,159.00	704,396.00	0.00
Pollution Control Inds. of Tennessee L.L.C., Millington, Shelby	0.00	0.00	0.00	0.00	0.00	0.00	63,785.00	63,785.00	0.00
U.S. TVA Kingston Fossil Plant, Harriman, Roane	0.00	0.00	0.00	0.00	0.00	0.00	56,805.00	56,805.00	0.00
UCAR Carbon Co. Inc., Columbia, Maury	0.00	18,551.00	2,454,371.00	0.00	433,134.00	0.00	51,989.00	2,958,045.00	0.00

* The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.